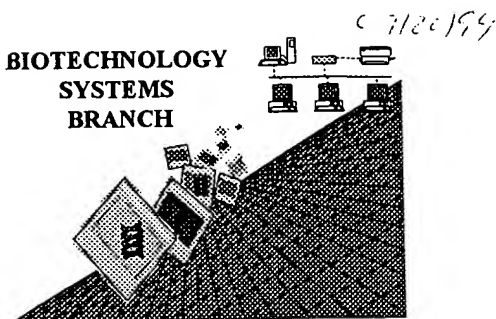


1202

# **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/203,768  
Art Unit / Team No. : 0116  
Date Processed by STIC: 12/9/98

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

PAGE: 1

# RAW SEQUENCE LISTING

## PATENT APPLICATION US/09/203,768

 DATE: 12/09/1998  
 TIME: 15:20:39

Input Set: I203768.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

E--> 1 <110> *MANDATORY* *numerical identifiers and responses needed*  
 E--> 2 <120> *numerical identifier and response needed*  
 W--> 3 <130> *mandatory numerical identifier and response needed*  
 4 <140> US/09/203,768 *if filed before assignment*  
 5 <141> 1998-12-02 *of serial number*  
 E--> 6 <160> *MANDATORY* *numerical identifier and response needed (8 shown)*  
 7 <210> 1  
 8 <211> 417  
 9 <212> DNA  
 10 <213> Homo sapiens  
 11 <220>  
 12 <221> CDS  
 13 <222> (1)..(417)  
 14 <220>  
 15 <221> sig\_peptide  
 16 <222> (1)..(57)  
 17 <400> 1  
 18 atg aaa cac ctg tgg ttc ttc ctc ctc ctg gtg gca gct ccc aga tgg 48  
 19 Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp  
 20 1 5 10 15  
 21 gtc ctg tcc cag gtg cag cta cag cag tgg ggc gca gga ctg ttg aag 96  
 22 Val Leu Ser Gln Val Gln Leu Gln Gln Trp Gly Ala Gly Leu Leu Lys  
 23 20 25 30  
 24 cct tcg gag acc ctg tcc ctc acc tgc gct gtc tat ggt ggg tcc ttc 144  
 25 Pro Ser Glu Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe  
 26 35 40 45  
 27 agt ggt tac tac tgg agc tgg atc cgc cag ccc cca ggg aag ggg ctg 192  
 28 Ser Gly Tyr Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu  
 29 50 55 60  
 30 gag tgg att ggg gaa atc aat cat agt gga agc acc aac tac aac ccg 240  
 31 Glu Trp Ile Gly Glu Ile Asn His Ser Gly Ser Thr Asn Tyr Asn Pro  
 32 65 70 75 80  
 33 tcc ctc aag agt cga gtc acc ata tca gta gac acg tcc aag aac cag 288  
 34 Ser Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln  
 35 85 90 95  
 36 ttc tcc ctg aag ctg agc tct gtg acc gcc gcg gac acg gct gtg tat 336  
 37 Phe Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr  
 38 100 105 110  
 39 tac tgt gcg aga gaa ata gca gct cgt cct cac cga tac ttt gac tac 384  
 40 Tyr Cys Ala Arg Glu Ile Ala Ala Arg Pro His Arg Tyr Phe Asp Tyr  
 41 115 120 125  
 42 tgg ggc cag gga acc ctg gtc acc gtc tcc tca 417  
 43 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 44 130 135

Does Not Comply  
 Corrected Diskette Needed  
 RECEIVED  
 JUL 19 1999  
 TECH CENTER 1600/2000

PAGE: 2

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/203,768**

 DATE: 12/09/1998  
 TIME: 15:20:39

Input Set: I203768.RAW

```

45 <210> 2
46 <211> 139
47 <212> PRT
48 <213> Homo sapiens
49 <400> 2
50 Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp
51 1 5 10 15
52 Val Leu Ser Gln Val Gln Leu Gln Gln Trp Gly Ala Gly Leu Leu Lys
53 20 25 30
54 Pro Ser Glu Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe
55 35 40 45
56 Ser Gly Tyr Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu
57 50 55 60
58 Glu Trp Ile Gly Glu Ile Asn His Ser Gly Ser Thr Asn Tyr Asn Pro
59 65 70 75 80
60 Ser Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln
61 85 90 95
62 Phe Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr
63 100 105 110
64 Tyr Cys Ala Arg Glu Ile Ala Ala Arg Pro His Arg Tyr Phe Asp Tyr
65 115 120 125
66 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
67 130 135
68 <210> 3
69 <211> 351
70 <212> DNA
71 <213> Homo sapiens
72 <220>
73 <221> CDS
74 <222> (1)..(351)
75 <220>
76 <221> sig_peptide
77 <222> (1)..(24)
78 <400> 3
79 ctc tgg ctc cca gat acc act gga gaa ata gtg atg acg cag tct cca 48
80 Leu Trp Leu Pro Asp Thr Thr Gly Glu Ile Val Met Thr Gln Ser Pro
81 1 5 10 15
82 gcc acc ctg tct gtg tct cca ggg gaa aga gcc acc ctc tcc tgc agg 96
83 Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg
84 20 25 30
85 gcc agt cag agt gtt agc agc aac tta gcc tgg tac cag cag aaa cct 144
86 Ala Ser Gln Ser Val Ser Ser Asn Leu Ala Trp Tyr Gln Gln Lys Pro
87 35 40 45
88 ggc cag gct ccc agg ctc ctc atc tat ggt gca tcc acc agg gcc act 192
89 Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Thr Arg Ala Thr
90 50 55 60
91 ggt atc cca gcc agg ttc agt ggc agt ggg tct ggg aca gag ttc act 240
92 Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
93 65 70 75 80
94 ctc acc atc agc agc ctg cag tct gaa gat ttt gca gtt tat tac tgt 288

```

PAGE: 3

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/203,768**

 DATE: 12/09/1998  
 TIME: 15:20:39

Input Set: I203768.RAW

```

95      Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
96                      85                      90                      95
97      cag cag tat aat aac tgg cct ccg tac act ttt ggc cag ggg acc aag      336
98      Gln Gln Tyr Asn Asn Trp Pro Pro Tyr Thr Phe Gly Gln Gly Thr Lys
99                      100                      105                      110
100     ctg gag atc aaa cga                                          351
101     Leu Glu Ile Lys Arg
102                      115
103     <210> 4
104     <211> 117
105     <212> PRT
106     <213> Homo sapiens
107     <400> 4
108     Leu Trp Leu Pro Asp Thr Thr Gly Glu Ile Val Met Thr Gln Ser Pro
109           1           5           10           15
110     Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg
111           20           25           30
112     Ala Ser Gln Ser Val Ser Ser Asn Leu Ala Trp Tyr Gln Gln Lys Pro
113           35           40           45
114     Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Thr Arg Ala Thr
115           50           55           60
116     Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
117           65           70           75           80
118     Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
119           85           90           95
120     Gln Gln Tyr Asn Asn Trp Pro Pro Tyr Thr Phe Gly Gln Gly Thr Lys
121           100          105          110
122     Leu Glu Ile Lys Arg
123           115
124     <210> 5
125     <211> 354
126     <212> DNA
127     <213> Homo sapiens
128     <220>
129     <221> CDS
130     <222> (1) .. (354)
131     <400> 5
132     cag gtg cag ctg gtg cag tct ggg gct gag gtg aag aag cct ggg tcc      48
133     Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
134           1           5           10           15
135     tcg gtg aag gtc tcc tgc aag gct tct gga ggc acc ttc agc agc tat      96
136     Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
137           20           25           30
138     gct atc agc tgg gtg cga cag gcc cct gga caa ggg ctt gag tgg atg      144
139     Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
140           35           40           45
141     gga ggg atc atc cct atc ttt ggt aca gca aac tac gca cag aag ttc      192
142     Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
143           50           55           60
144     cag ggc aga gtc acg att acc gcg gac gaa tcc acg agc aca gcc tac      240

```

PAGE: 4

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/203,768

DATE: 12/09/1998  
TIME: 15:20:39

Input Set: I203768.RAW

```

145      Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
146          65              70              75              80
147      atg gag ctg agc agc ctg aga tct gag gac acg gcc gtg tat tac tgt      288
148      Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
149              85              90              95
150      gcg aga gaa gat agc agt ggc tgg tat cac tac tgg ggc cag gga acc      336
151      Ala Arg Glu Asp Ser Ser Gly Trp Tyr His Tyr Trp Gly Gln Gly Thr
152              100              105              110
153      ctg gtc acc gtc tcc tca      354
154      Leu Val Thr Val Ser Ser
155              115
156      <210> 6
157      <211> 118
158      <212> PRT
159      <213> Homo sapiens
160      <400> 6
161      Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
162          1              5              10              15
163      Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
164              20              25              30
165      Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
166              35              40              45
167      Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
168          50              55              60
169      Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
170          65              70              75              80
171      Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
172              85              90              95
173      Ala Arg Glu Asp Ser Ser Gly Trp Tyr His Tyr Trp Gly Gln Gly Thr
174              100              105              110
175      Leu Val Thr Val Ser Ser
176              115
177      <210> 7
178      <211> 333
179      <212> DNA
180      <213> Homo sapiens
181      <220>
182      <221> CDS
183      <222> (1)..(333)
184      <400> 7
185      tct tct gag ctg act cag gac cct gct gtg tct gtg gcc ttg gga cag      48
186      Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
187          1              5              10              15
188      aca gtc agg atc aca tgc caa gga gac agc ctc aga agc tat tat gca      96
189      Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
190              20              25              30
191      agc tgg tac cag cag aag cca gga cag gcc cct gta ctt gtc atc tat      144
192      Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
193              35              40              45
194      ggt aaa aac aac cgg ccc tca ggg atc cca gac cga ttc tct ggc tcc      192

```

PAGE: 5

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/203,768**

DATE: 12/09/1998  
 TIME: 15:20:39

Input Set: I203768.RAW

195	Gly	Lys	Asn	Asn	Arg	Pro	Ser	Gly	Ile	Pro	Asp	Arg	Phe	Ser	Gly	Ser	
196		50					55				60						
197	agc	tca	gga	aac	aca	gct	tcc	ttg	acc	atc	act	ggg	gct	cag	gcg	gaa	240
198	Ser	Ser	Gly	Asn	Thr	Ala	Ser	Leu	Thr	Ile	Thr	Gly	Ala	Gln	Ala	Glu	
199	65					70				75					80		
200	gat	gag	gct	gac	tat	tac	tgt	aac	tcc	cgg	gac	agc	agt	ggg	aac	ccc	288
201	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Asn	Ser	Arg	Asp	Ser	Ser	Gly	Asn	Pro	
202					85				90				95				
203	gtg	gta	ttc	ggc	gga	ggg	acc	aag	ctg	acc	gtc	cta	ggg	cag	ccc		333
204	Val	Val	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu	Gly	Gln	Pro		
205				100				105					110				

PAGE: 6

**VERIFICATION SUMMARY**  
**PATENT APPLICATION US/09/203,768**

DATE: 12/09/1998  
TIME: 15:20:39

Input Set: I203768.RAW

Line	? Error/Warning	Original Text
------	-----------------	---------------

1	E Response to "Applicant" Name is Missing	
2	E Response to "Title of Invention" Missing	
3	W Response to "File Reference" is Missing	
6	E # of Seq. 0 Not Equal Actual 8	